

METHOD AND SYSTEM FOR GOLF SWING ANALYSIS AND TRAINING

ABSTRACT

Provided is a sport learning system directed to improving an individual's swing by monitoring a club, bat or racket during a swing. During the course of a swing, the system alerts the individual when the club position varies outside of a predetermined range. The system includes a device inserted into the distal end of a shaft of the club. A second device is attached to a personal computer to provide wireless data transmission with the device mounted in the club. A personal computer application enables swing data analysis and display. The inserted device employs a microprocessor, accelerometers, gyroscopes, memory and a system of buffering and filtering to provide real-time feedback during the swing. It is an additional feature of the inserted device to capture and store data required to reconstruct, display, and analyze swings and to share the data with other applications to facilitate remote instruction.